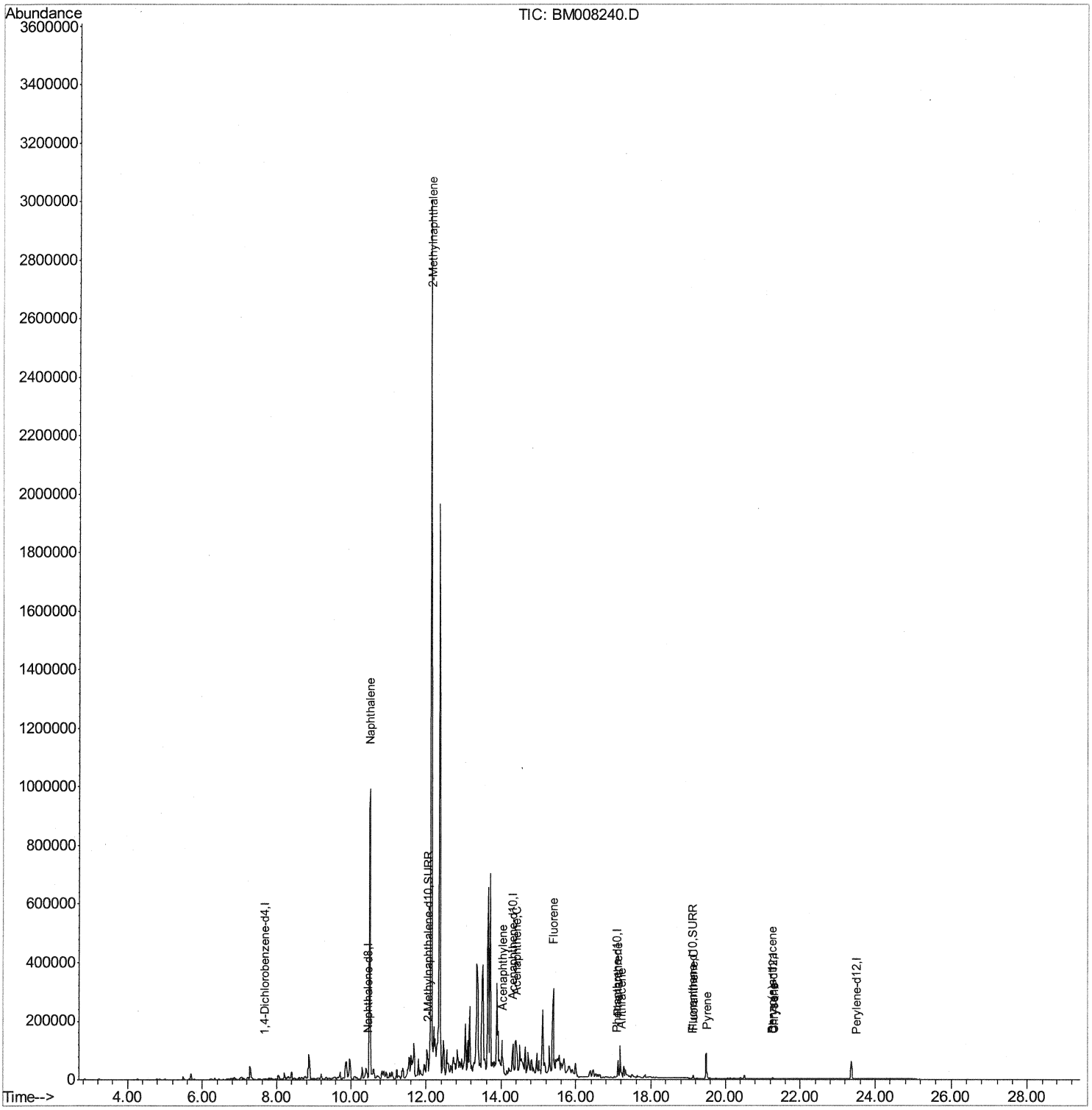
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
Data File : BM008240.D
Acq On : 10 Dec 2016 19:53
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 11:10:37 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA804

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:28 PM



Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
Data File : BM008240.D
Acq On : 10 Dec 2016 19:53
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 11:05:11 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA804

Manual Integrations APPROVED
UMANGI
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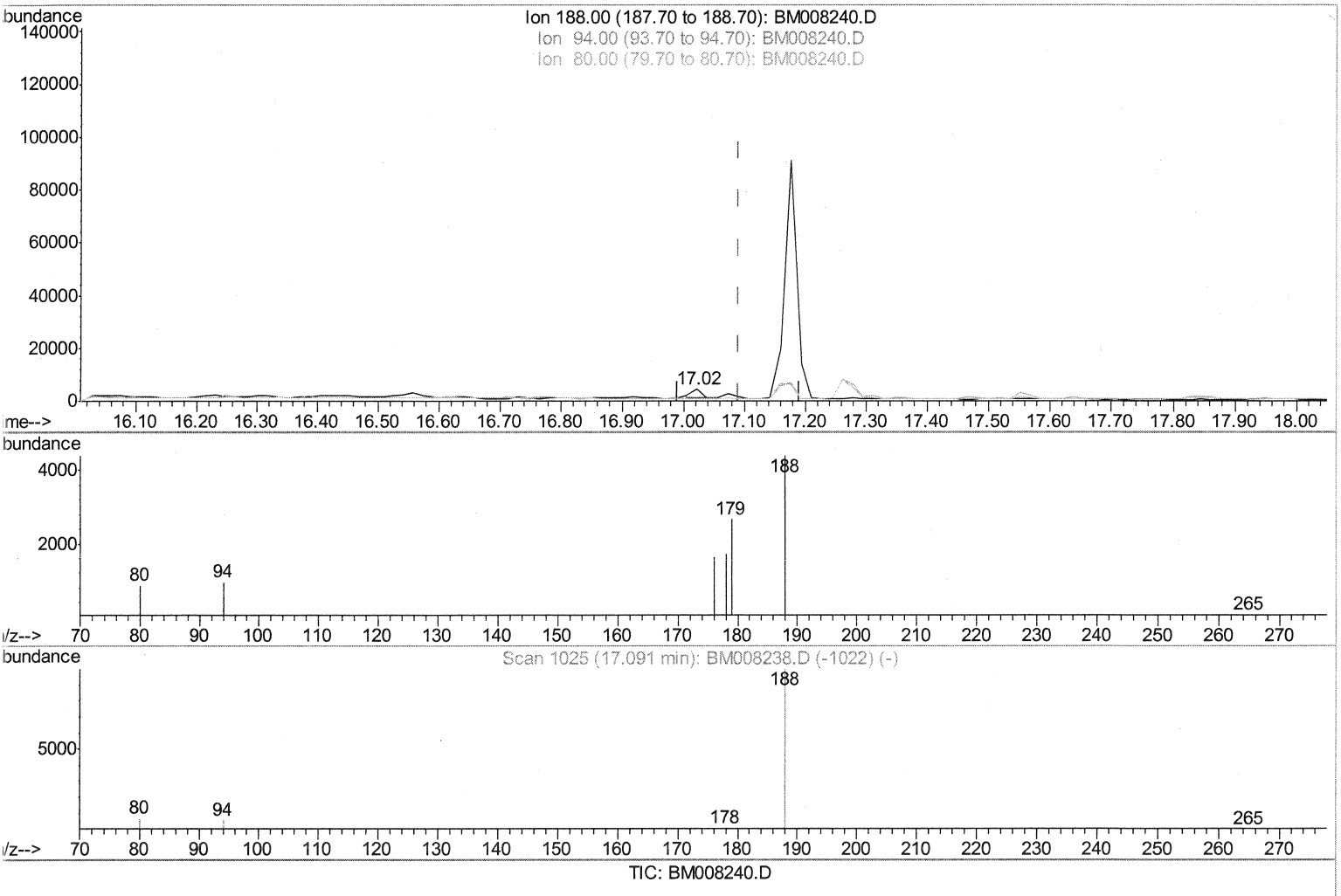

TIC: BM008240.D

(10) Phenanthrene-d10 (I)

17.022min (-0.069) 0.40ng/ul

response 3095

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	21.65#
80.00	11.80	19.81#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
Data File : BM008240.D
Acq On : 10 Dec 2016 19:53
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 11:05:11 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA804

Manual Integrations APPROVED
UMANGI
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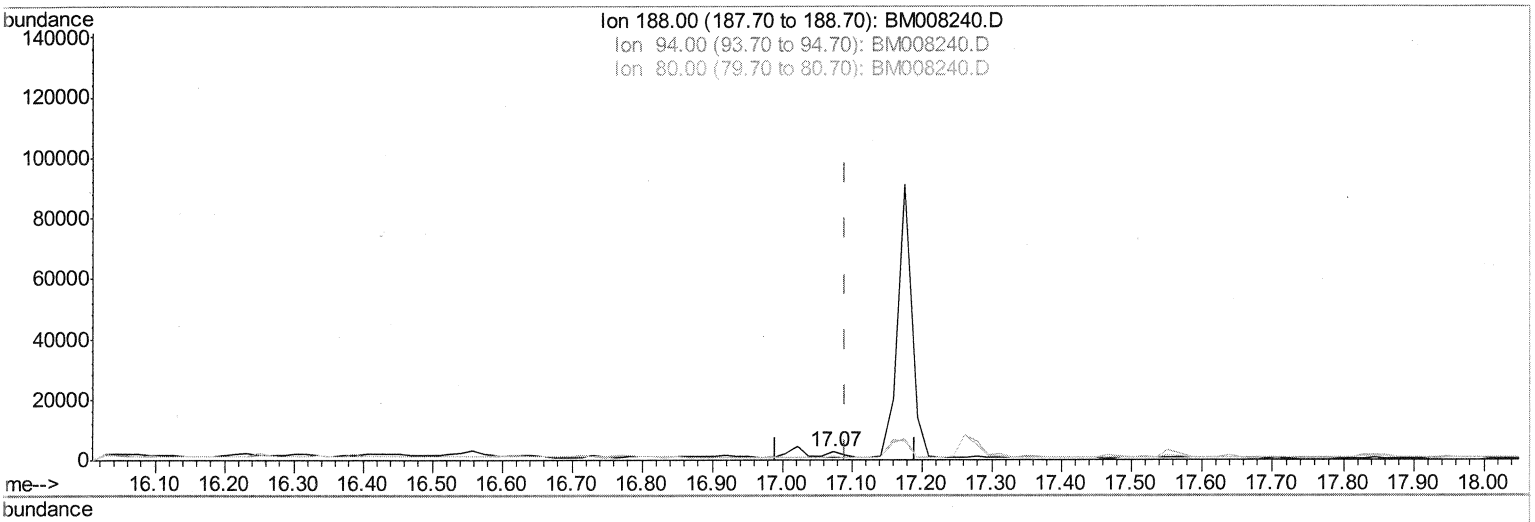

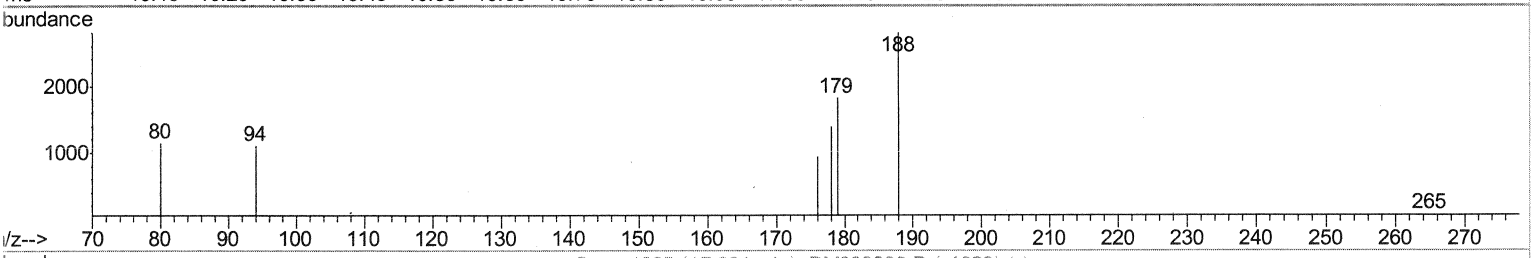

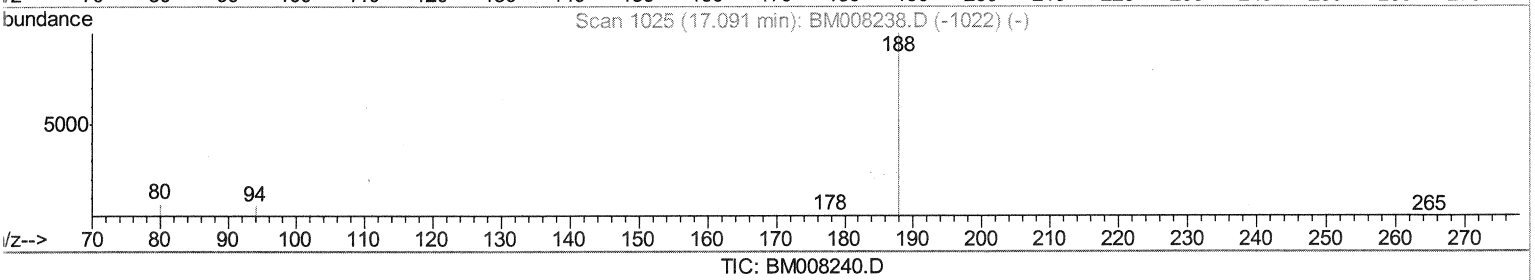

TIC: BM008240.D

(10) Phenanthrene-d10 (I)

17.073min (-0.017) 0.40ng/ul m SJ 12/12/16

response 3476

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	39.59#
80.00	11.80	40.69#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
Data File : BM008240.D
Acq On : 10 Dec 2016 19:53
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 11:06:09 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA804

Manual Integrations APPROVED
UMANGI
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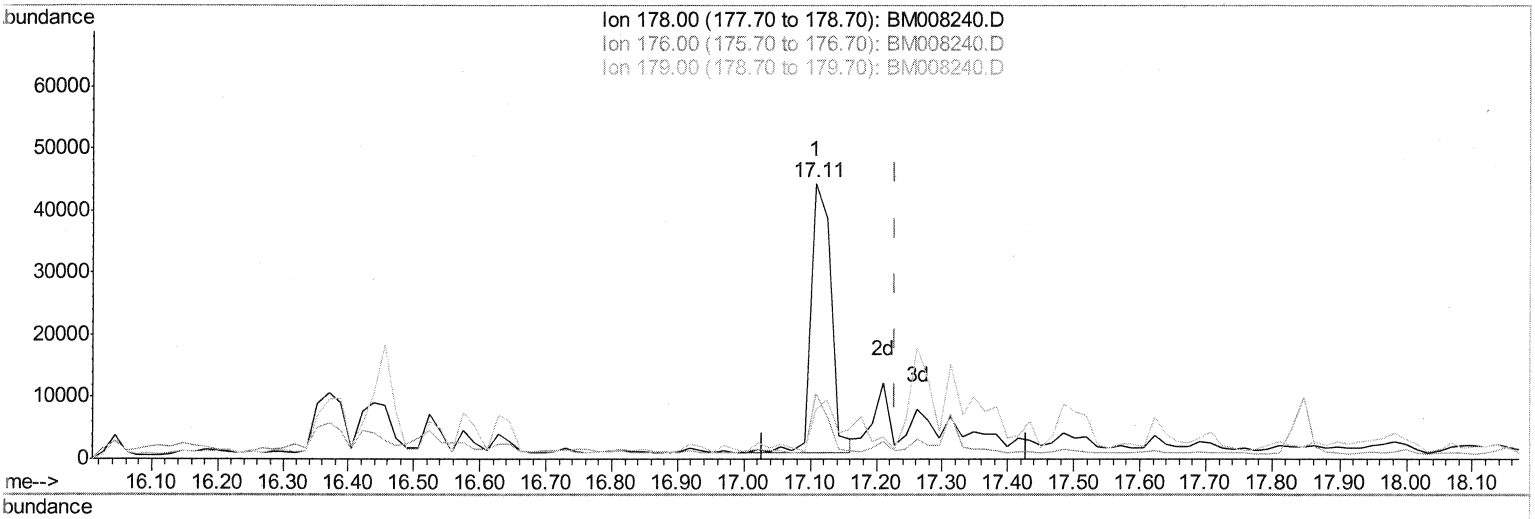
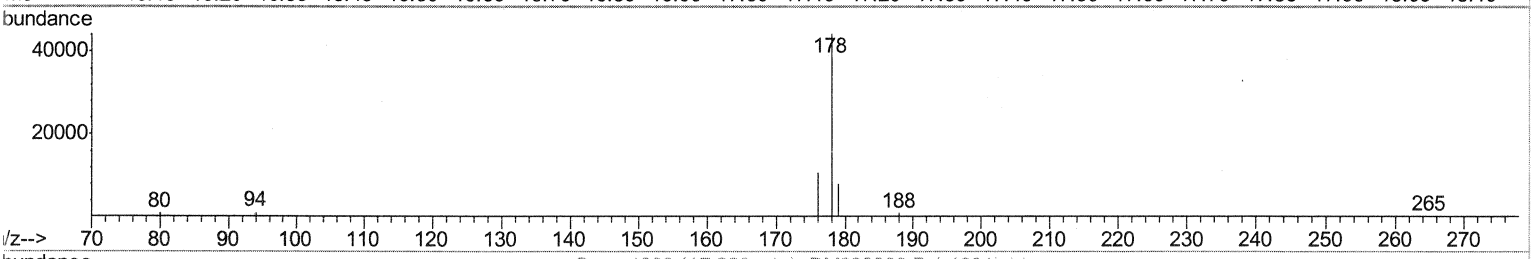
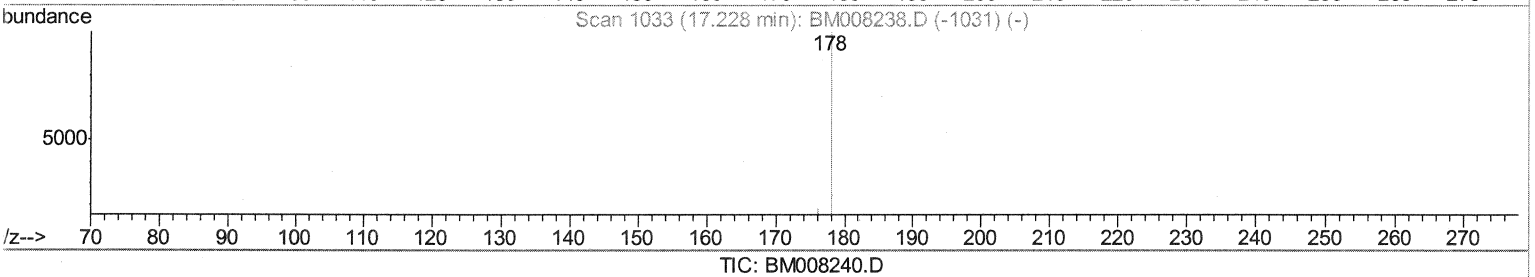






TIC: BM008240.D

(13) Anthracene

17.108min (-0.120) 9.09ng/ul

response 92437

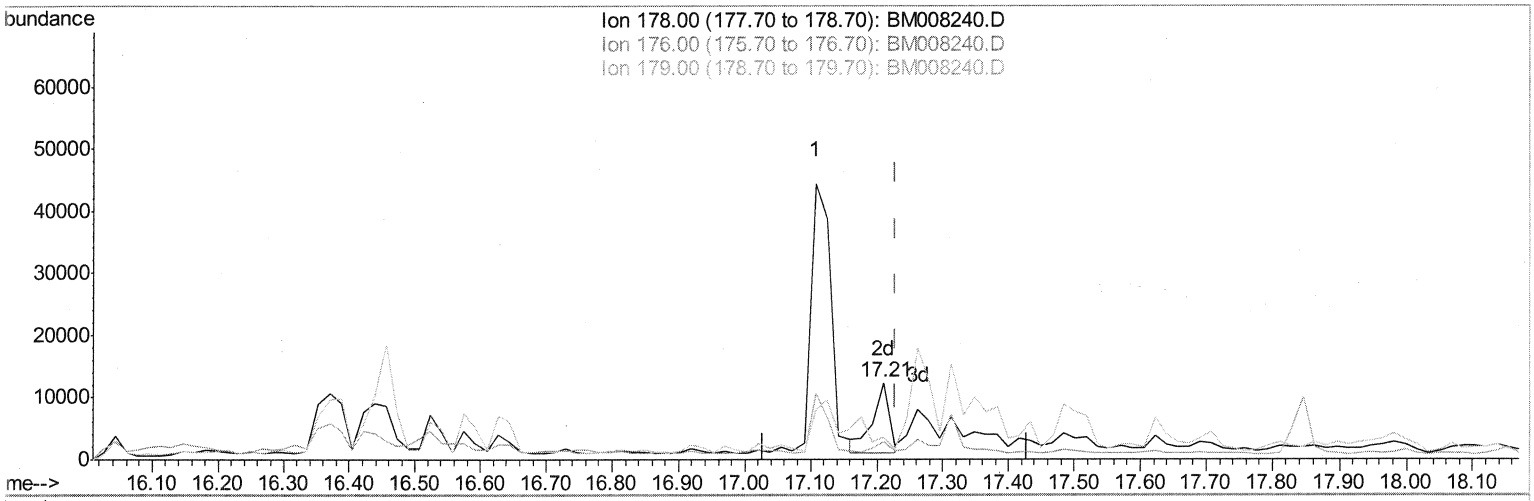
Ion	Exp%	Act%
178.00	100	100
176.00	22.60	23.94
179.00	18.40	18.22
0.00	0.00	0.00

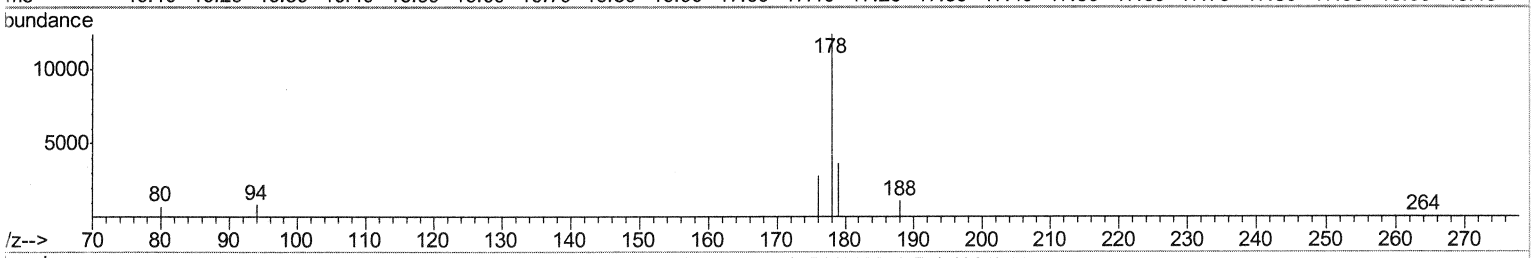
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
Data File : BM008240.D
Acq On : 10 Dec 2016 19:53
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

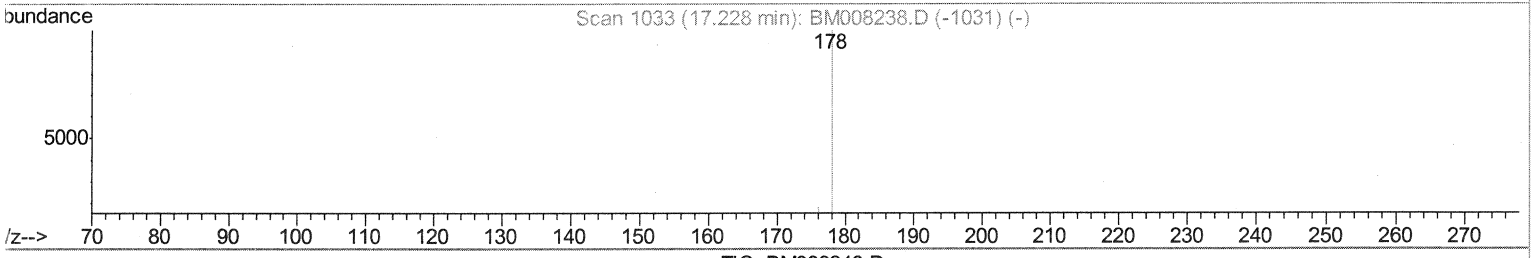
Quant Time: Dec 12 11:06:09 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA804

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:28 PM







TIC: BM008240.D

(13) Anthracene

17.210min (-0.017) 1.95ng/ul m SJ 12/12/16

response 19863

Ion	Exp%	Act%
178.00	100	100
176.00	22.60	23.24
179.00	18.40	29.97#
0.00	0.00	0.00

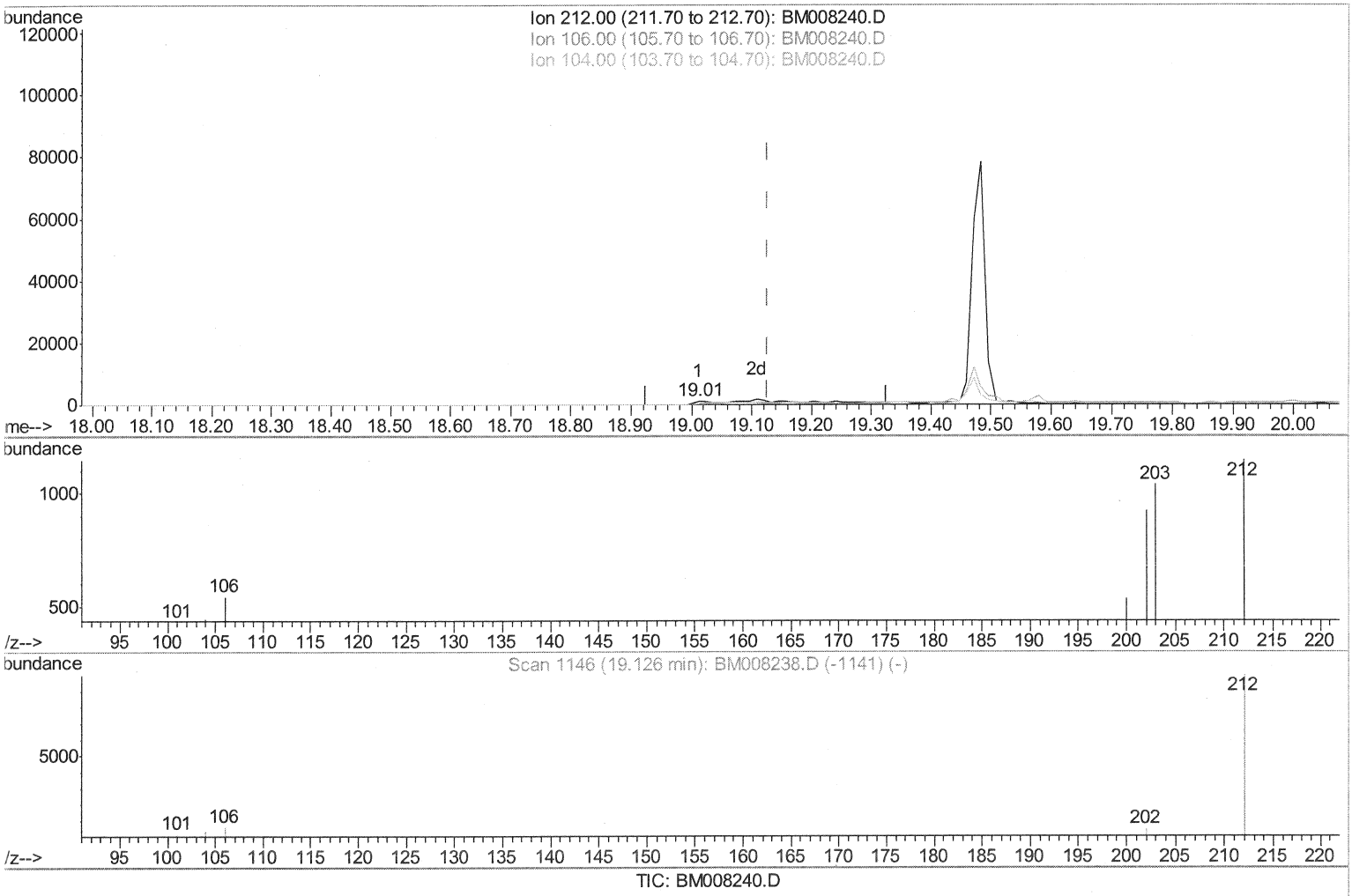
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
Data File : BM008240.D
Acq On : 10 Dec 2016 19:53
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 11:06:09 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA804

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:28 PM



TIC: BM008240.D

(14) Fluoranthene-d10 (SURR)

19.012min (-0.114) 0.31ng/ul

response 3071

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	0.00#
104.00	15.60	0.00#
0.00	0.00	0.00

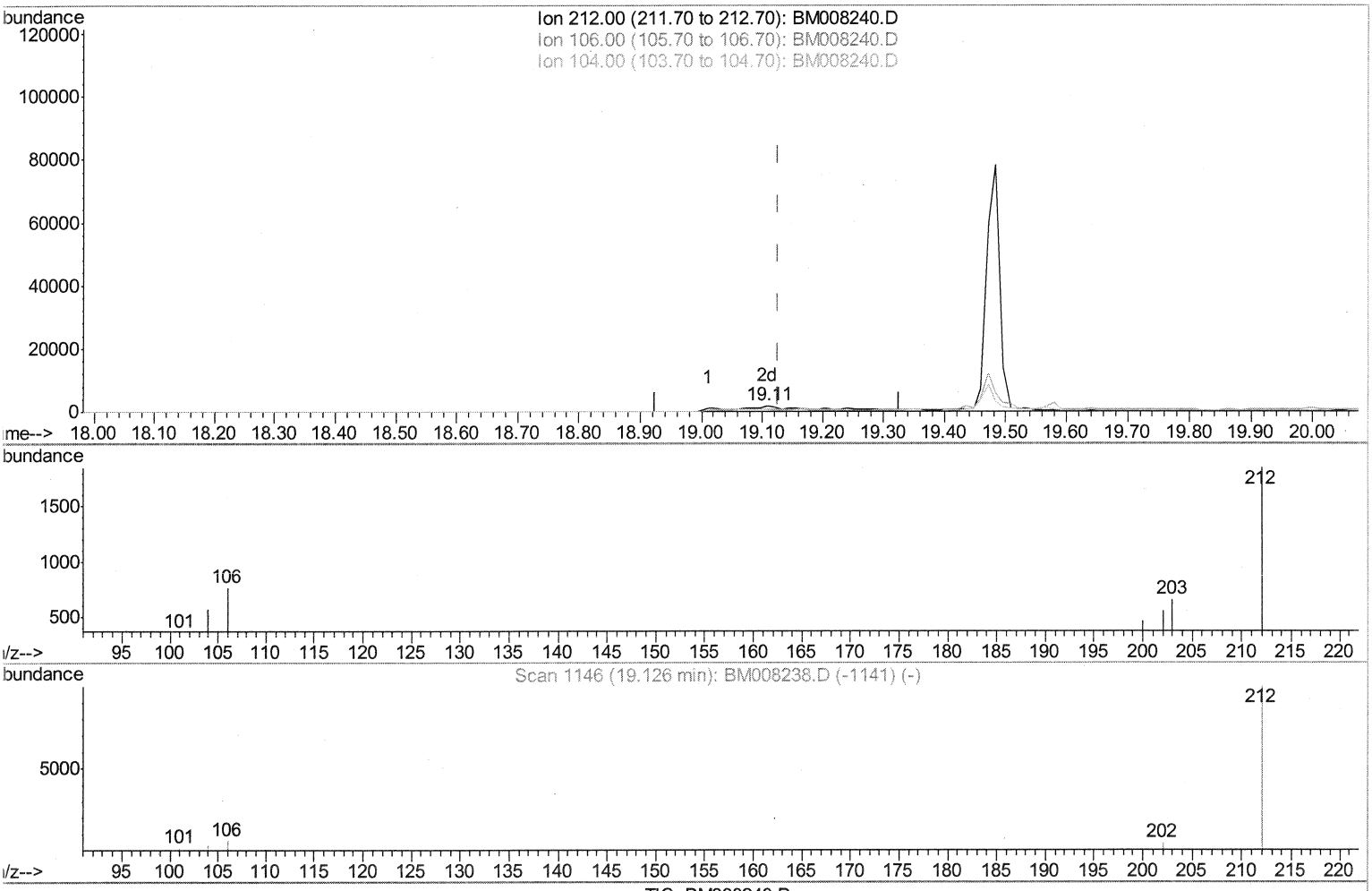
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
Data File : BM008240.D
Acq On : 10 Dec 2016 19:53
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 11:06:09 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA804

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:28 PM



TIC: BM008240.D

(14) Fluoranthene-d10 (SURR)

19.108min (-0.017) 0.28ng/ul m SJ 12/12/16

response 2710

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	0.00#
104.00	15.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
Data File : BM008240.D
Acq On : 10 Dec 2016 19:53
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 11:06:09 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA804

Manual Integrations APPROVED
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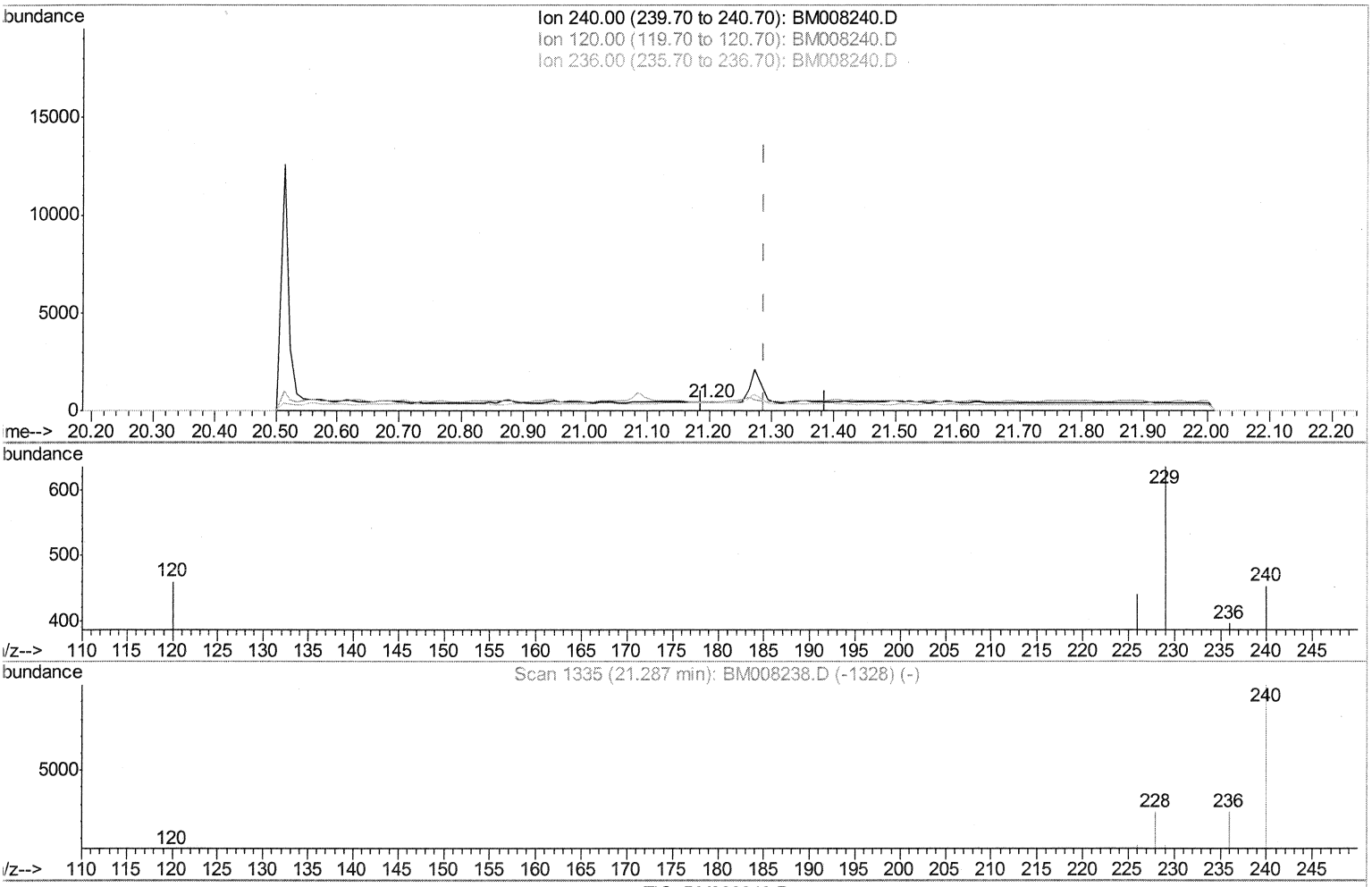

TIC: BM008240.D

(16) Chrysene-d12 (I)

21.200min (-0.087) 0.40ng/ul

response 49

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	101.55#
236.00	34.90	87.42#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
Data File : BM008240.D
Acq On : 10 Dec 2016 19:53
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 11:06:09 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA804

Manual Integrations APPROVED
UMANGI
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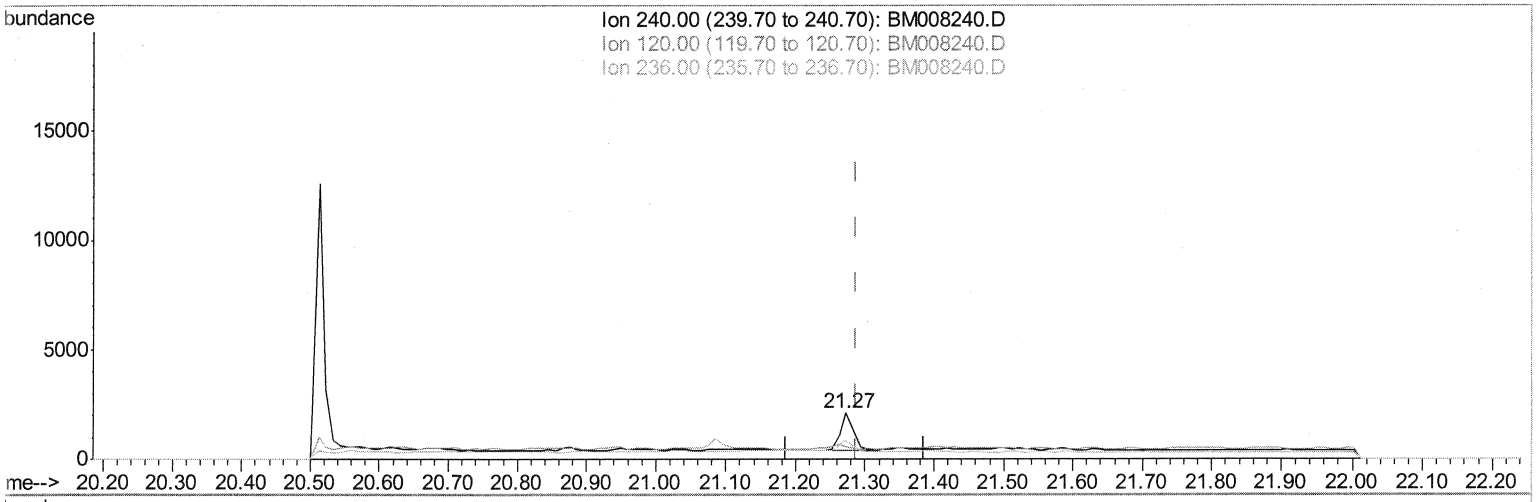

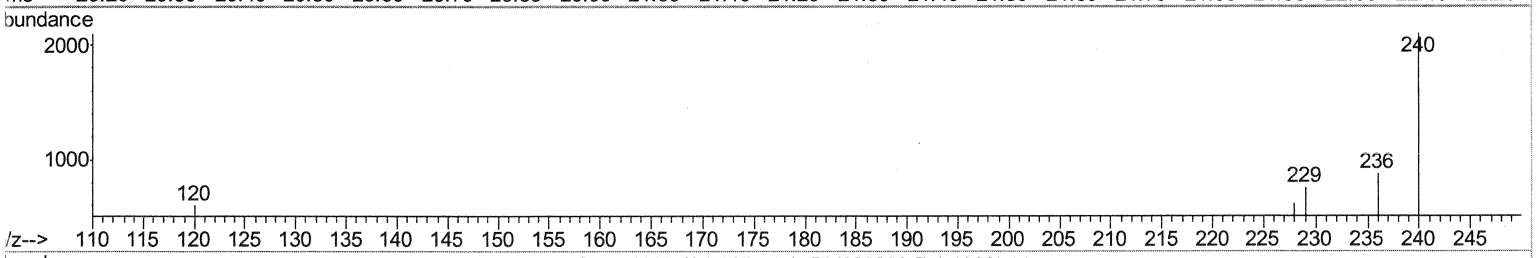

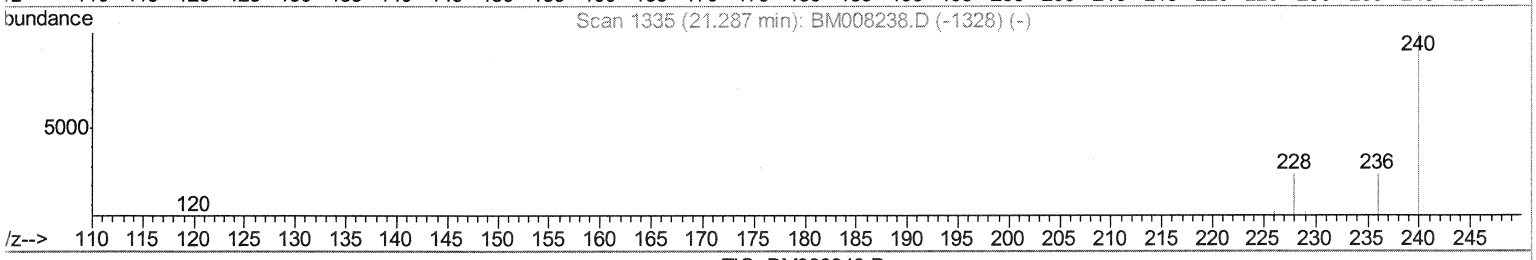

TIC: BM008240.D

(16) Chrysene-d12 (I)

21.273min (-0.014) 0.40ng/ul m SJ 12/12/16

response 2198

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	28.63#
236.00	34.90	41.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
Data File : BM008240.D
Acq On : 10 Dec 2016 19:53
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 11:07:57 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA804

Manual Integrations APPROVED
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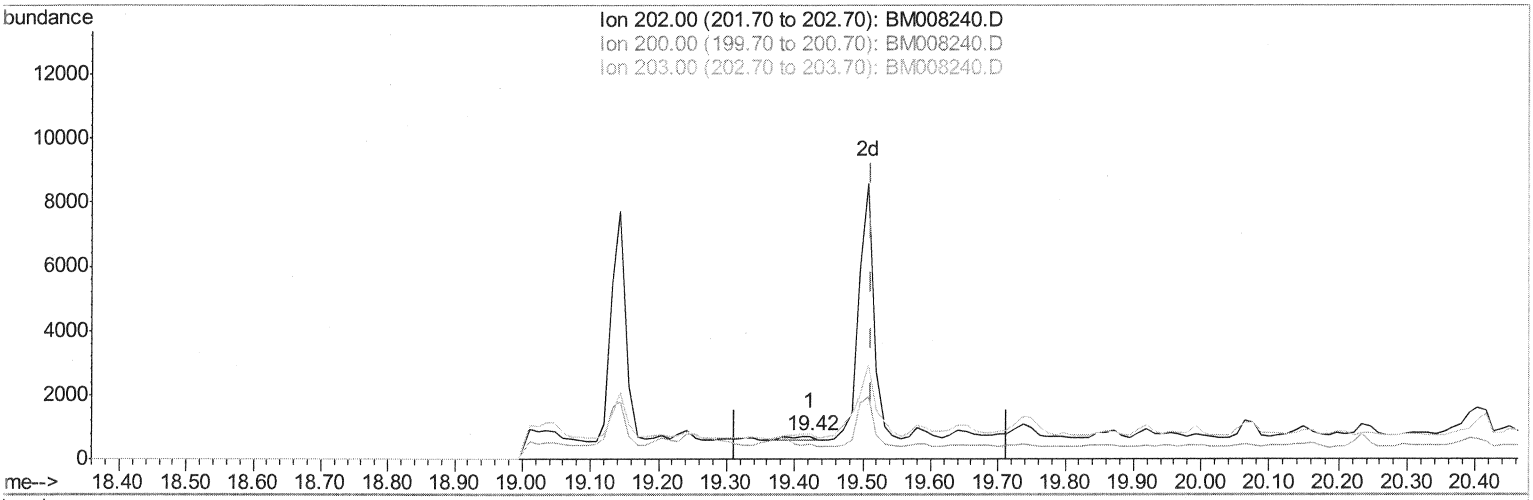
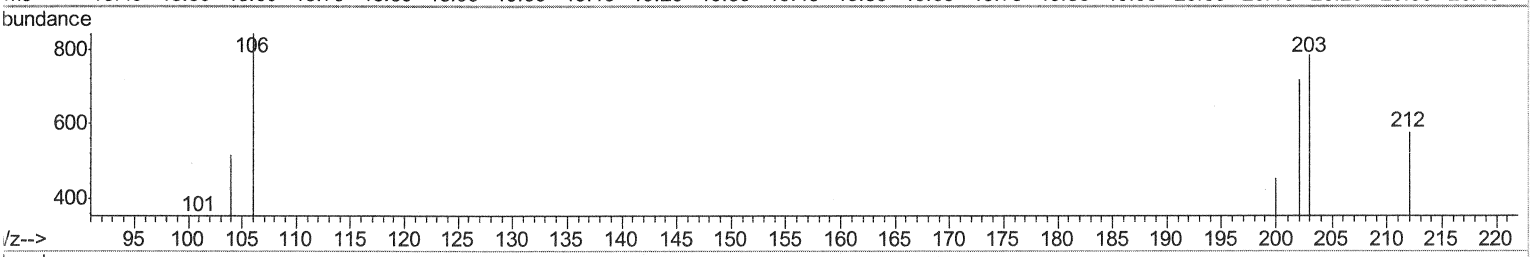
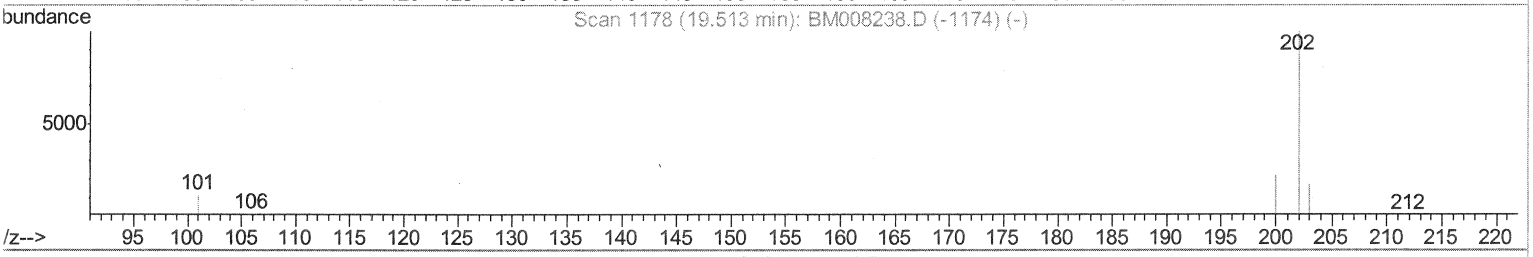






TIC: BM008240.D

(17) Pyrene

19.423min (-0.090) 0.05ng/ul

response 415

Ion	Exp%	Act%
202.00	100	100
200.00	22.80	62.87#
203.00	19.50	109.18#
0.00	0.00	0.00

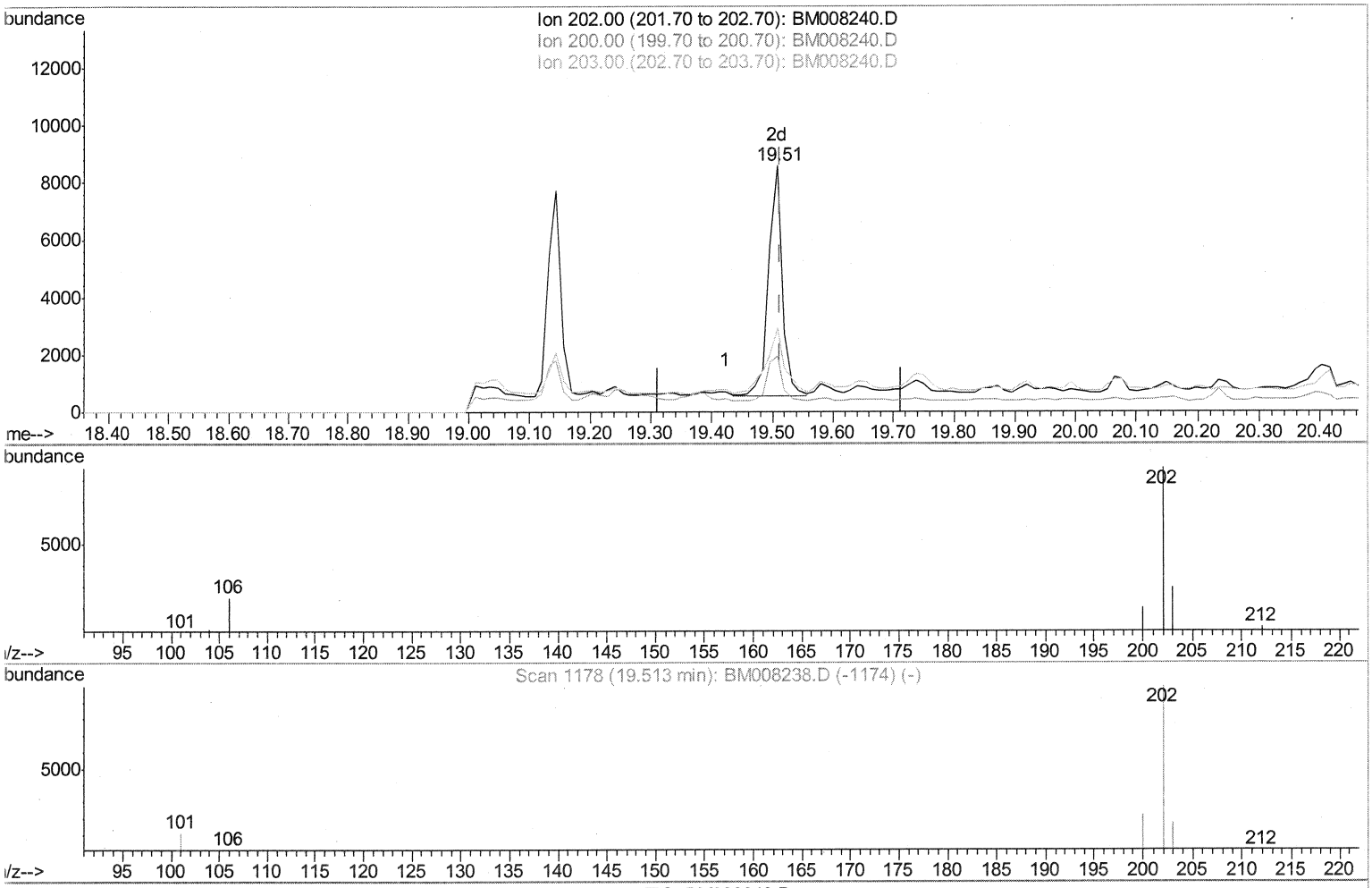
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
Data File : BM008240.D
Acq On : 10 Dec 2016 19:53
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 11:07:57 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA804

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:28 PM



TIC: BM008240.D

(17) Pyrene

19.508min (-0.005) 1.69ng/ul m SJ 12/12/16

response 12864

Ion	Exp%	Act%
202.00	100	100
200.00	22.80	22.89
203.00	19.50	34.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
Data File : BM008240.D
Acq On : 10 Dec 2016 19:53
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 11:07:57 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA804

Manual Integrations APPROVED
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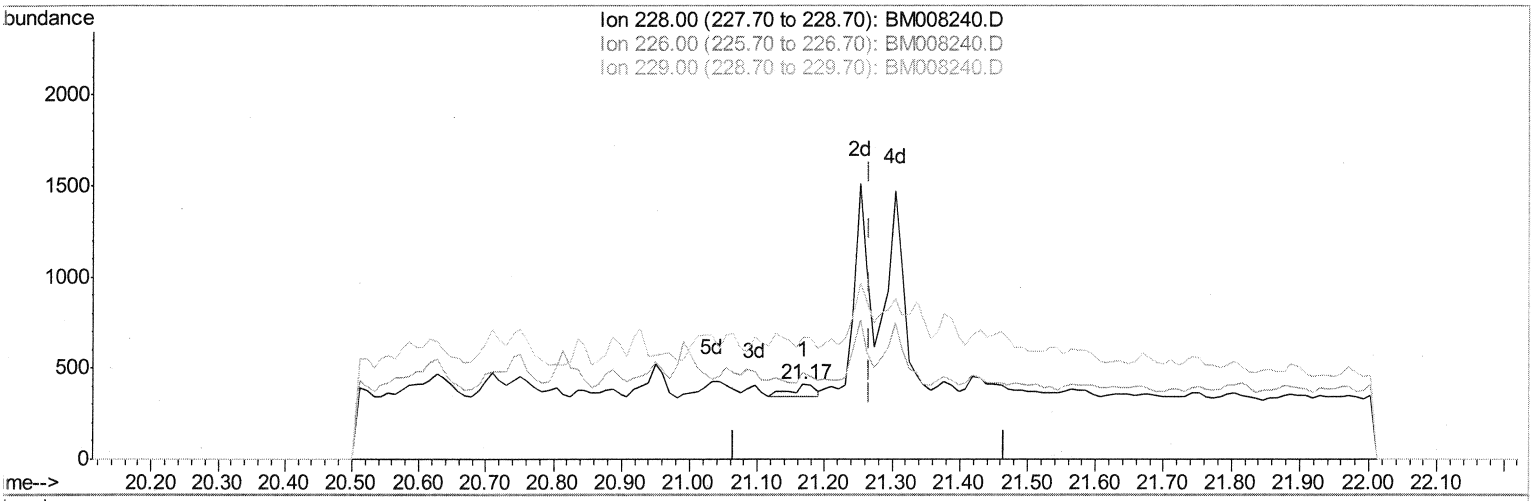

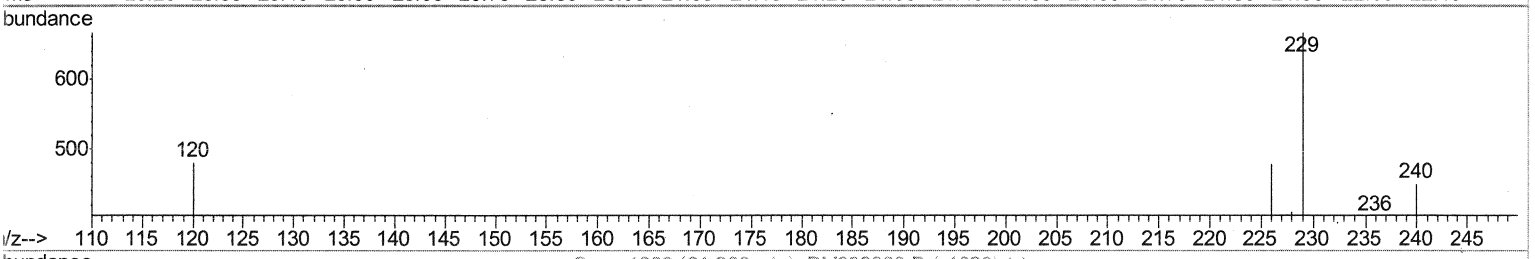

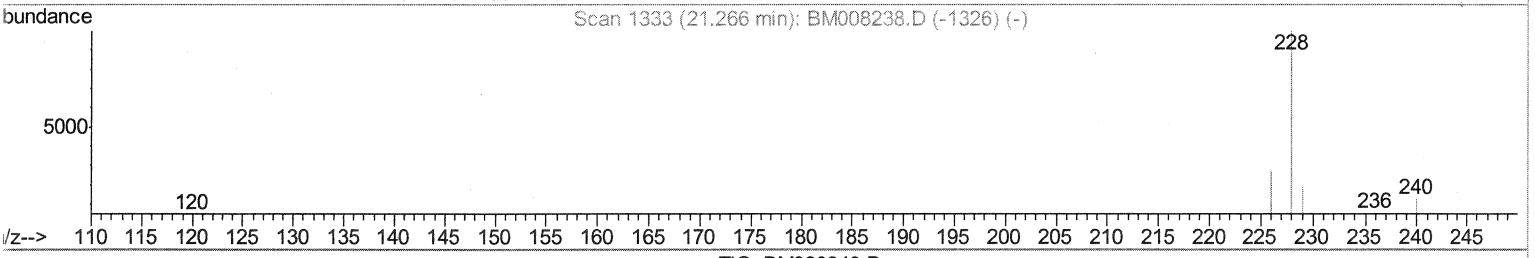

TIC: BM008240.D

(18) Benzo(a)anthracene

21.169min (-0.098) 0.02ng/ul

response 158

Ion	Exp%	Act%
228.00	100	100
226.00	28.50	116.30#
229.00	21.30	162.04#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
Data File : BM008240.D
Acq On : 10 Dec 2016 19:53
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 11:07:57 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA804

Manual Integrations APPROVED
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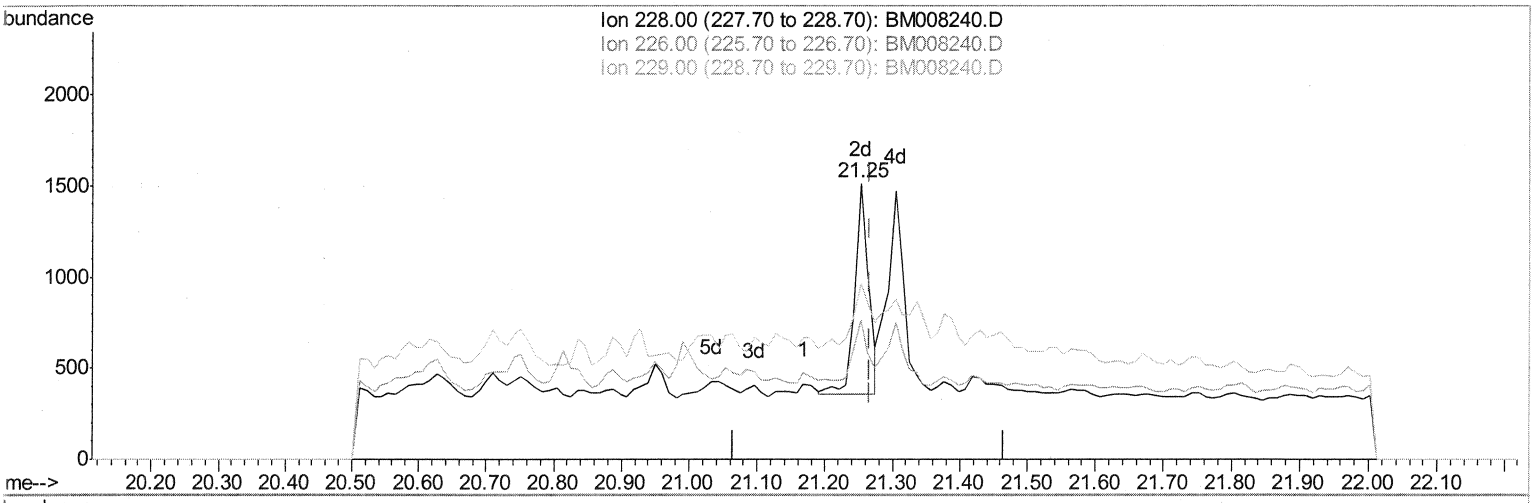
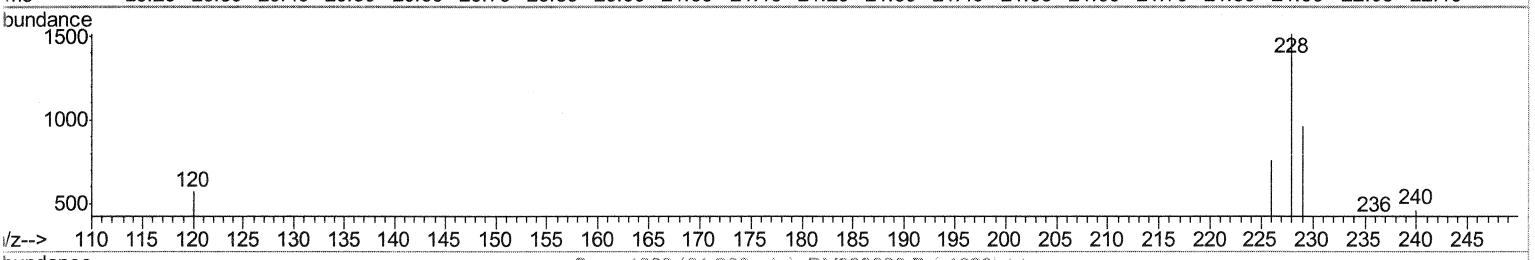
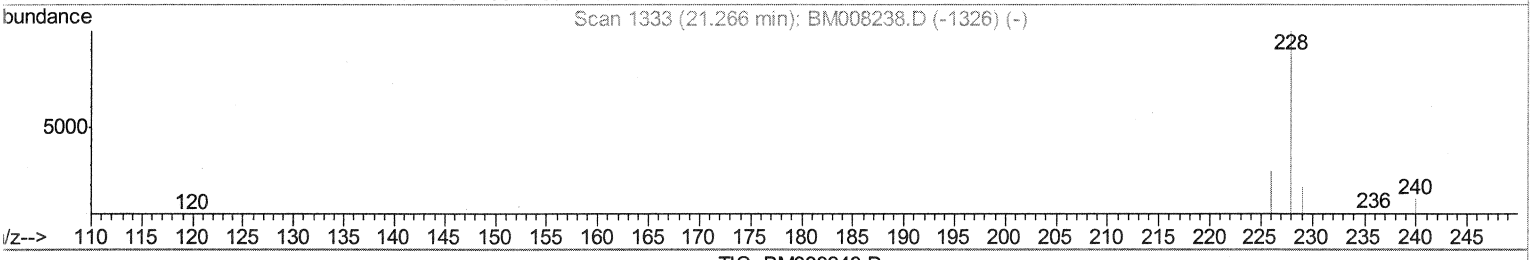






TIC: BM008240.D

(18) Benzo(a)anthracene

21.252min (-0.014) 0.25ng/ul m SJ 12/12/16

response 1655

Ion	Exp%	Act%
228.00	100	100
226.00	28.50	50.36#
229.00	21.30	63.71#
0.00	0.00	0.00

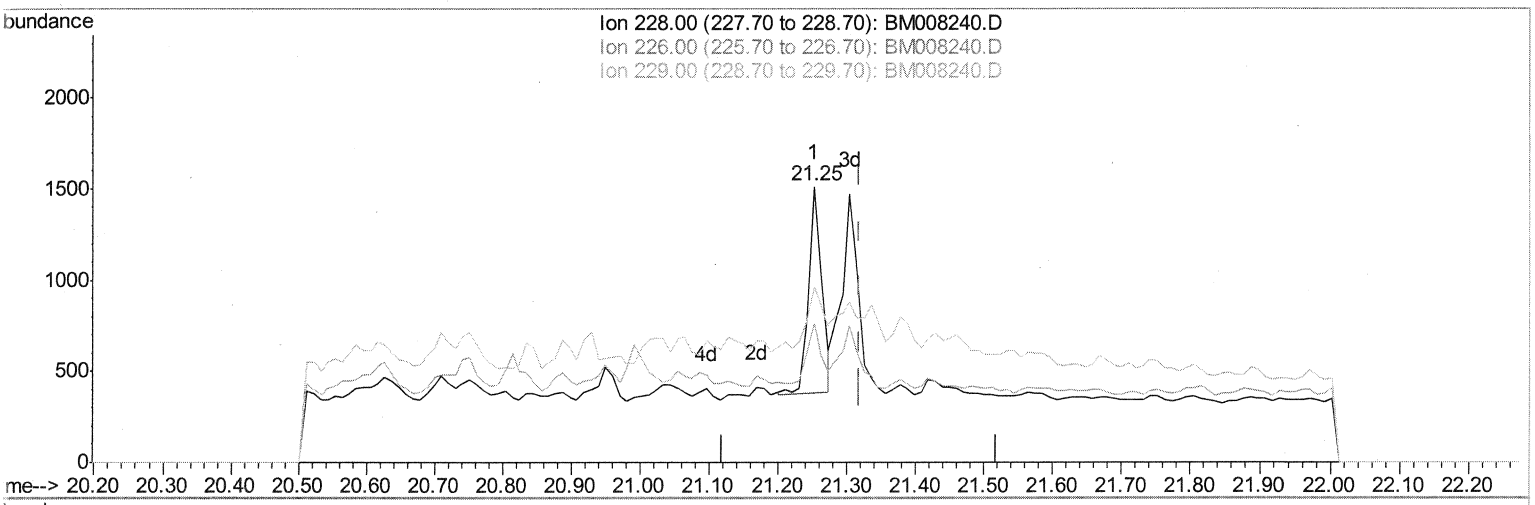
Quantitation Report (Qedit)

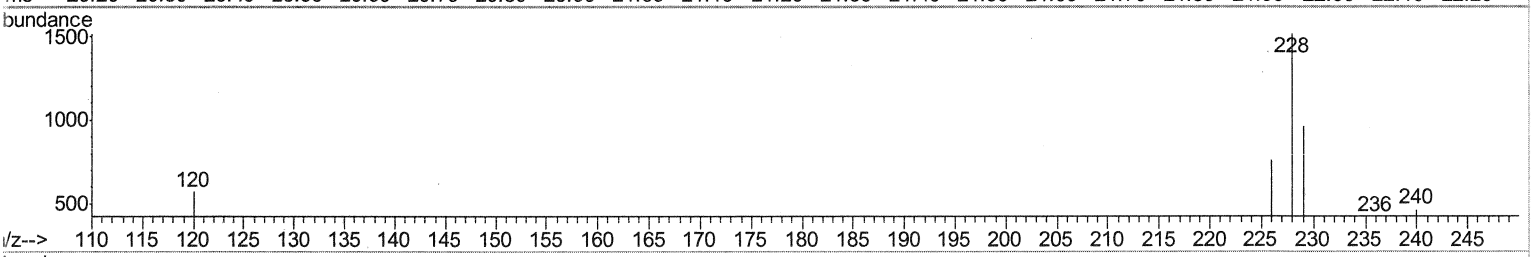
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
Data File : BM008240.D
Acq On : 10 Dec 2016 19:53
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

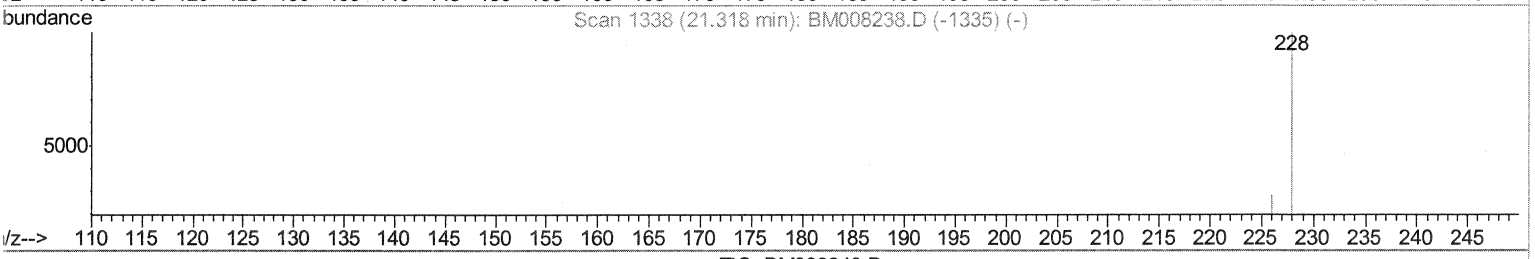
Quant Time: Dec 12 11:07:57 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA804

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:28 PM







TIC: BM008240.D

(19) Chrysene

21.252min (-0.066) 0.19ng/ul

response 1576

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	50.36#
229.00	22.10	63.71#
0.00	0.00	0.00

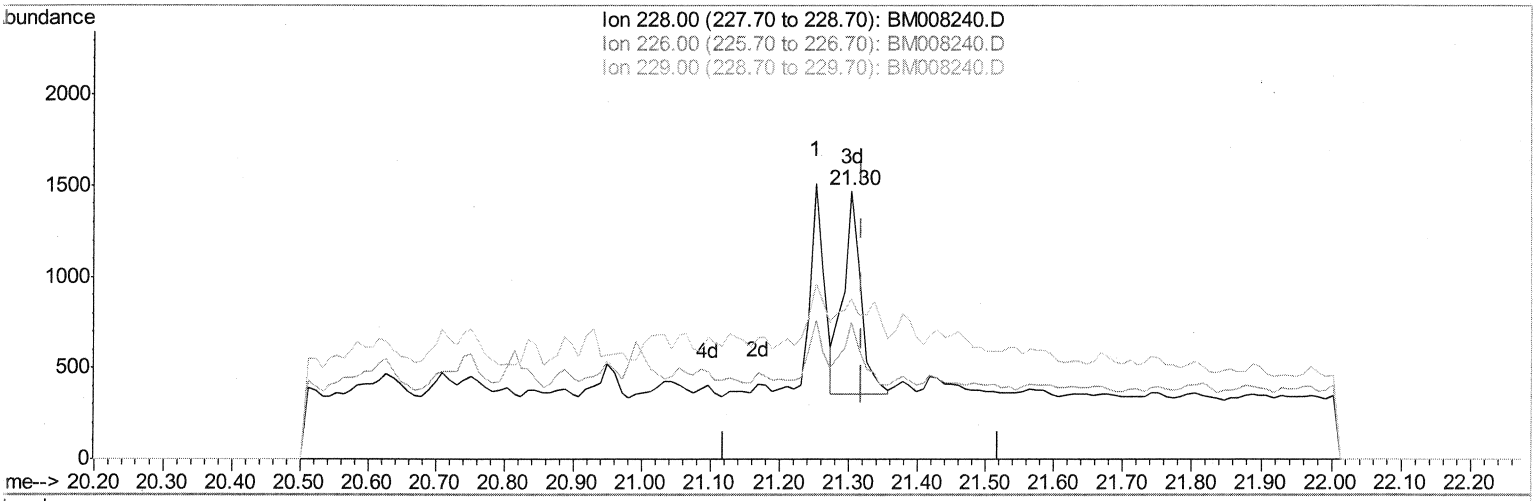
Quantitation Report (Qedit)

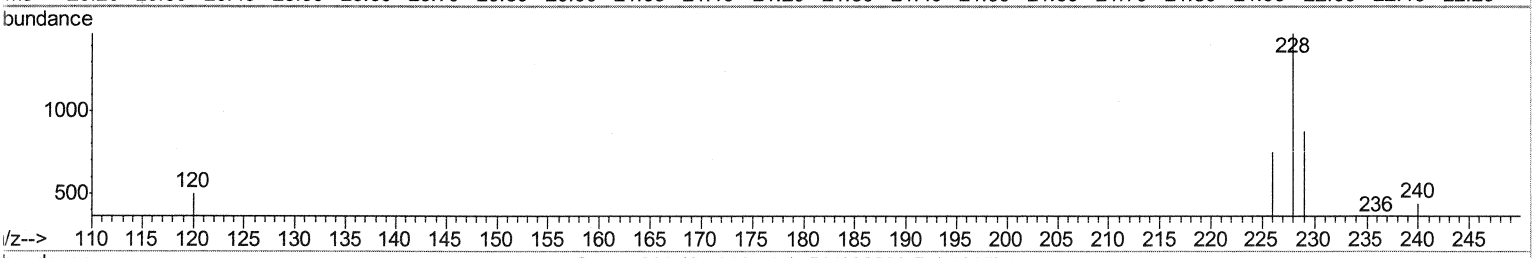
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
Data File : BM008240.D
Acq On : 10 Dec 2016 19:53
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

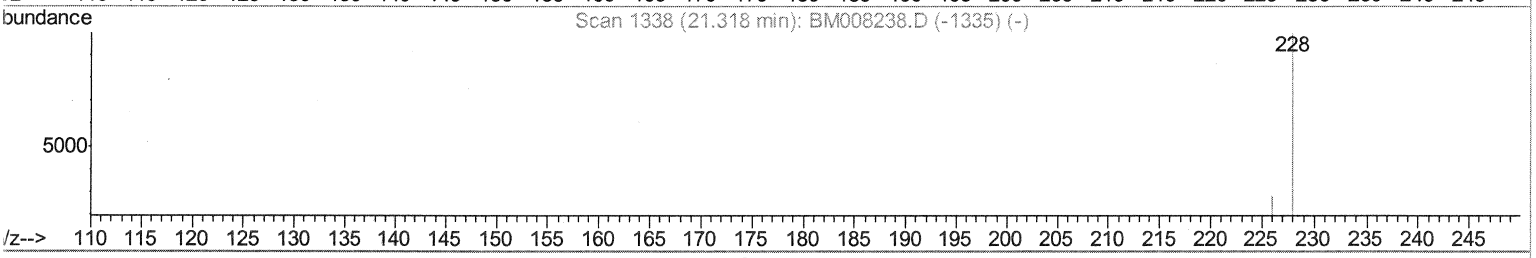
Quant Time: Dec 12 11:07:57 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA804

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:28 PM







TIC: BM008240.D

(19) Chrysene

21.304min (-0.014) 0.24ng/ul m SJ 12/12/16

response 1986

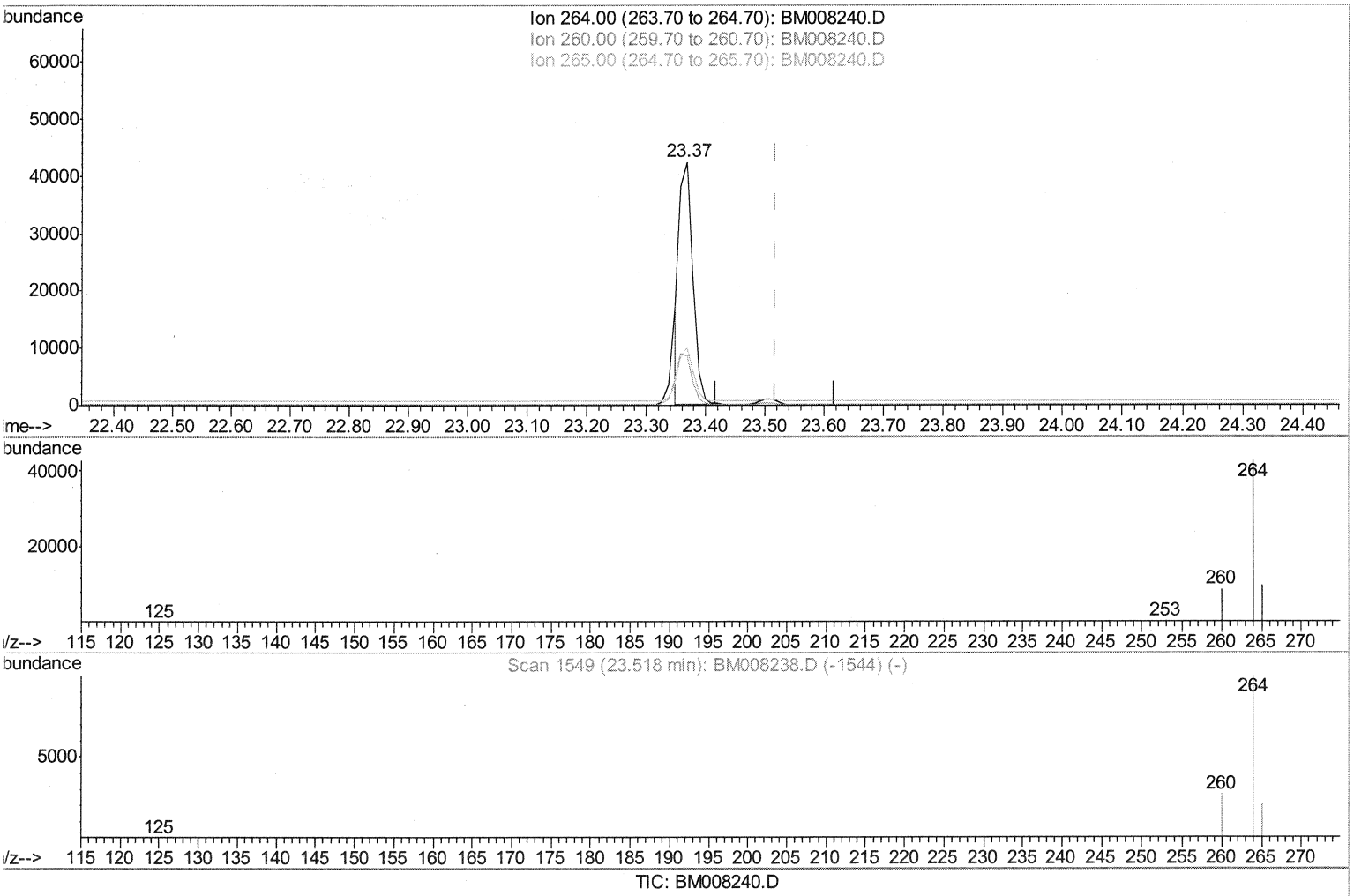
Ion	Exp%	Act%
228.00	100	100
226.00	29.20	50.75#
229.00	22.10	59.70#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
Data File : BM008240.D
Acq On : 10 Dec 2016 19:53
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 11:07:57 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA804

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:28 PM



TIC: BM008240.D

(20) Perylene-d12 (I)

23.368min (-0.150) 0.40ng/ul

response 68069

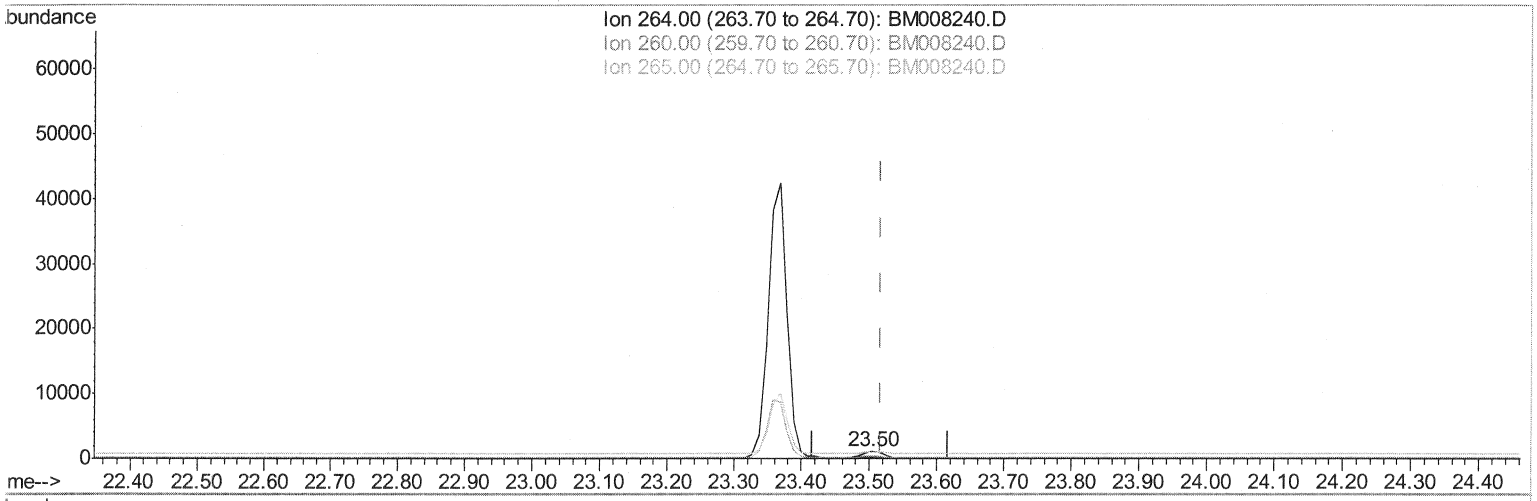
Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.69#
265.00	103.50	23.48#
0.00	0.00	0.00

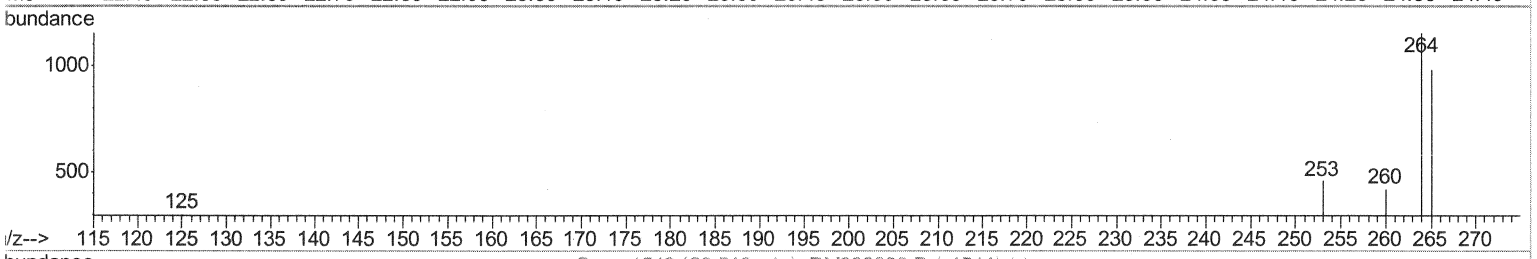
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
Data File : BM008240.D
Acq On : 10 Dec 2016 19:53
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

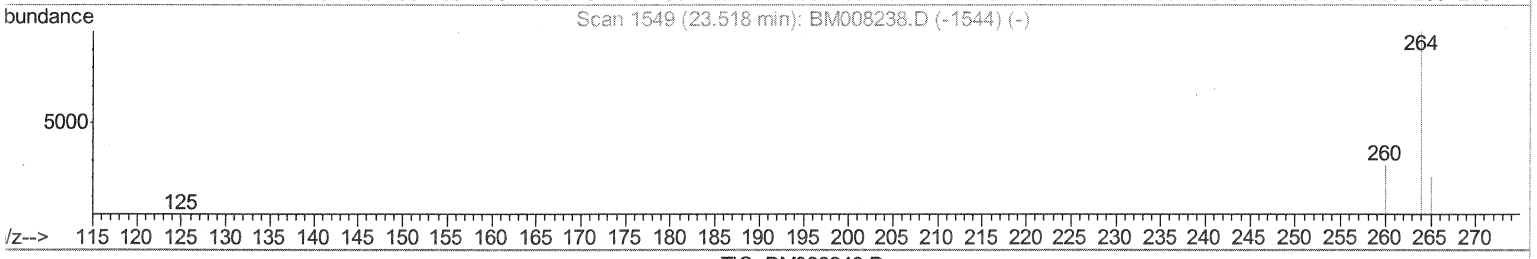
Quant Time: Dec 12 11:07:57 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA804

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:28 PM







TIC: BM008240.D

(20) Perylene-d12 (I)

23.503min (-0.014) 0.40ng/ul m SJ 12/12/16

response 1859

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	36.31#
265.00	103.50	85.01
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
Data File : BM008240.D
Acq On : 10 Dec 2016 19:53
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 12 11:10:37 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : DA804

Manual Integrations APPROVED
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12/12/2016 6:50:28 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	1120	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.46	136	2675	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	7245	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	3476m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	2198m	0.40	ng/ul	-0.01
20) Perylene-d12	23.50	264	1859m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.07	152	1245	0.33	ng/ul	-0.01
14) Fluoranthene-d10	19.11	212	2710m	0.28	ng/ul	-0.02
Target Compounds						Qvalue
3) Naphthalene	10.52	128	1552868	207.58	ng/ul#	93
5) 2-Methylnaphthalene	12.15	142	2309041	478.85	ng/ul	98
7) Acenaphthylene	14.04	152	41407	1.26	ng/ul#	13
8) Acenaphthene	14.40	153	110128	4.41	ng/ul	96
9) Fluorene	15.39	166	205736	7.18	ng/ul	99
12) Phenanthrene	17.11	178	92437	8.54	ng/ul	98
13) Anthracene	17.21	178	19863m	1.95	ng/ul	
15) Fluoranthene	19.14	202	11848	0.85	ng/ul	89
17) Pyrene	19.51	202	12864m	1.69	ng/ul	
18) Benzo(a)anthracene	21.25	228	1655m	0.25	ng/ul	
19) Chrysene	21.30	228	1986m	0.24	ng/ul	

SJ 12/12/16

SJ 12/12/16

SJ 12/12/16

SJ 12/12/16

(#) = qualifier out of range (m) = manual integration (+) = signals summed